

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

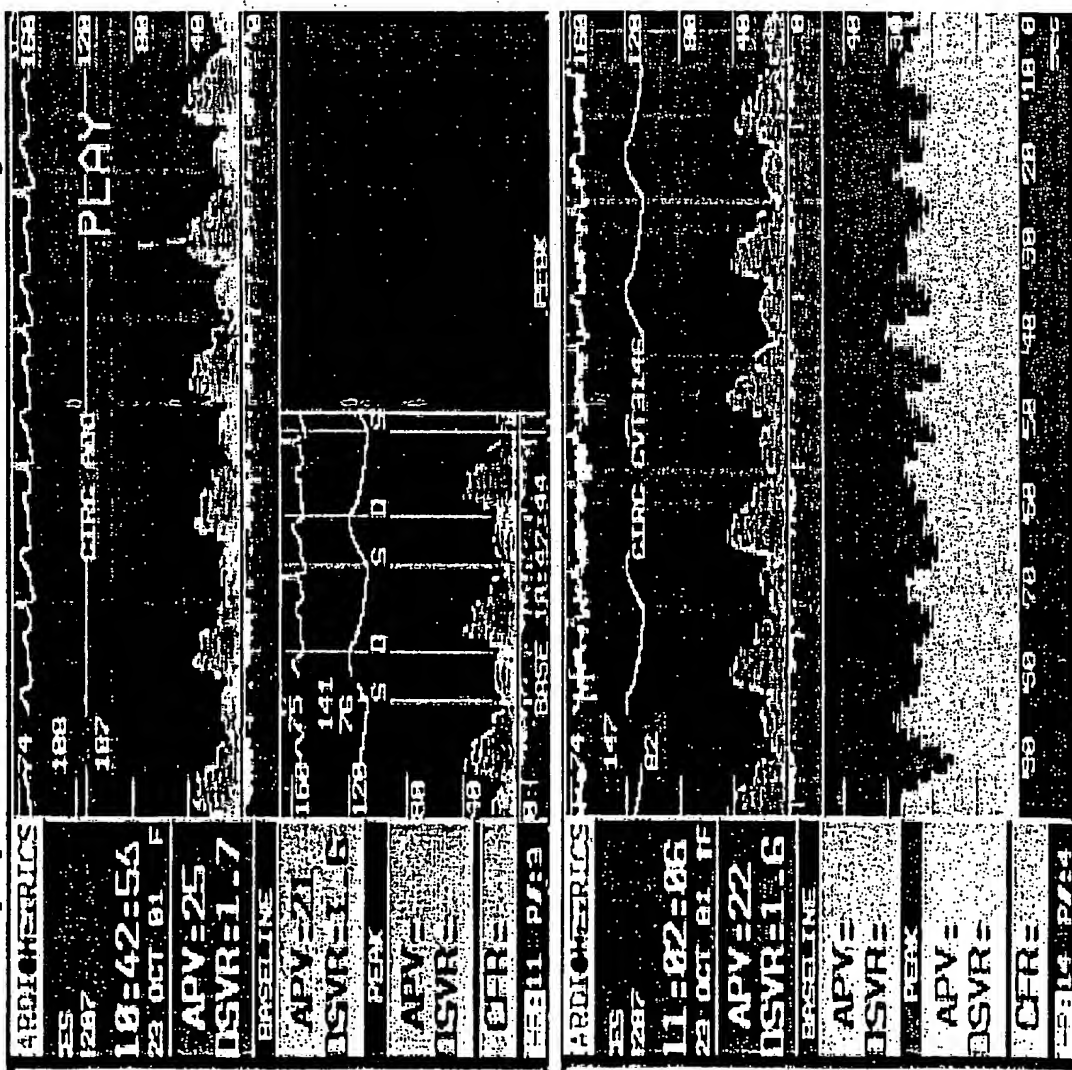
**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

# Intracoronary Doppler Flow Velocity Profiles

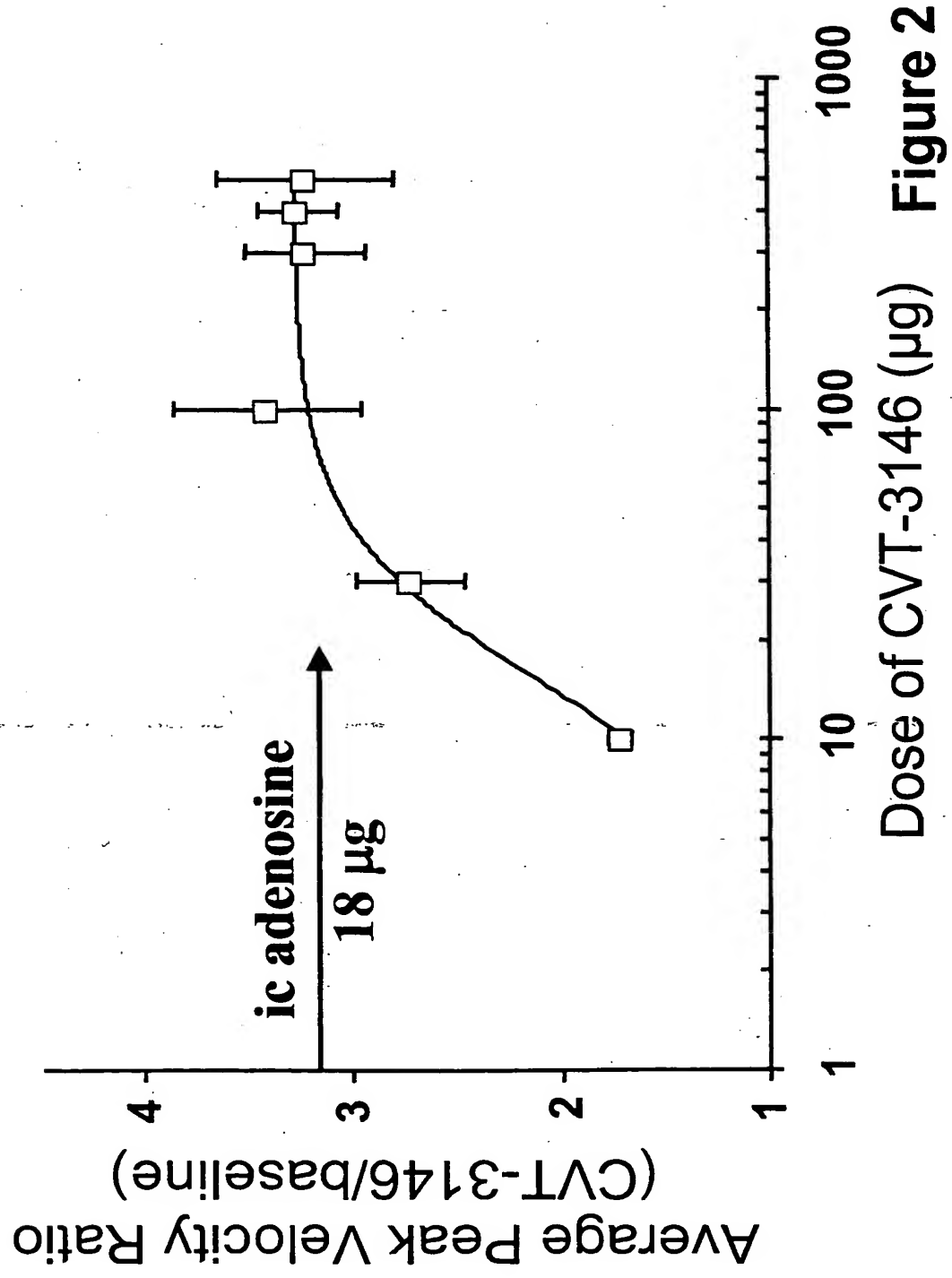
Adenosine 18  $\mu$ g  
ic bolus

CVT-3146 30 µg  
iv bolus

# Figure 1



# Dose-Dependent Increase in Peak Flow Velocity Caused by CVT-3146



# CVT-3146 and Coronary Flow Velocity

## *Duration of Effect:*

Dose (n)	Duration $\geq 2.5$ Baseline Mean $\pm$ SEM
10 $\mu\text{g}$ (4)	0
30 $\mu\text{g}$ (4)	0
100 $\mu\text{g}$ (3)	0.2 $\pm$ 0.2 minutes
300 $\mu\text{g}$ (4)	2.2 $\pm$ 1.3 minutes
400 $\mu\text{g}$ (8)	2.8 $\pm$ 0.8 minutes
500 $\mu\text{g}$ (4)	2.9 $\pm$ 1.3 minutes

3/17

**Figure 3**

# Time Course of APV Ratio (CVT-3146 400 $\mu$ g)

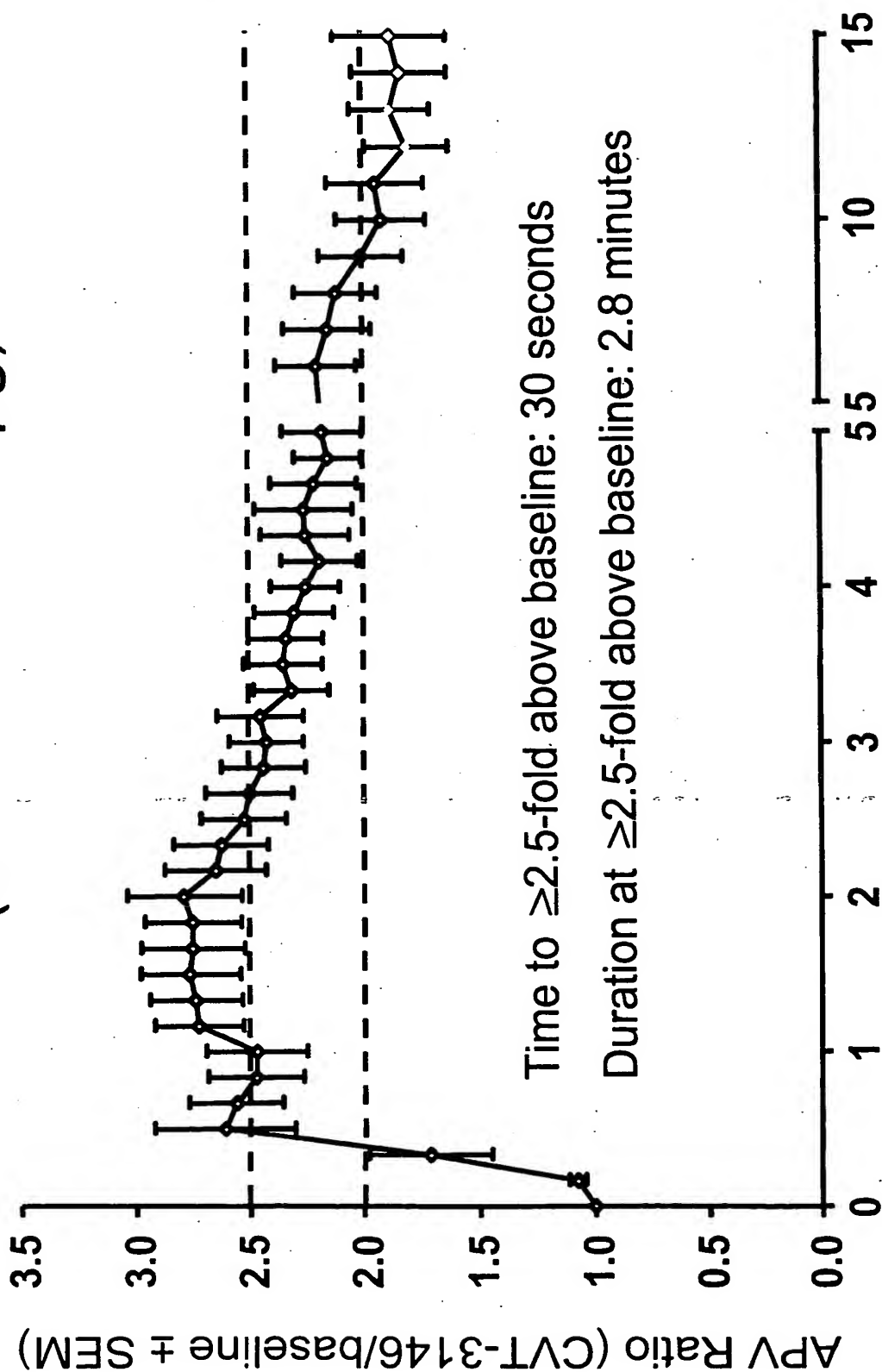
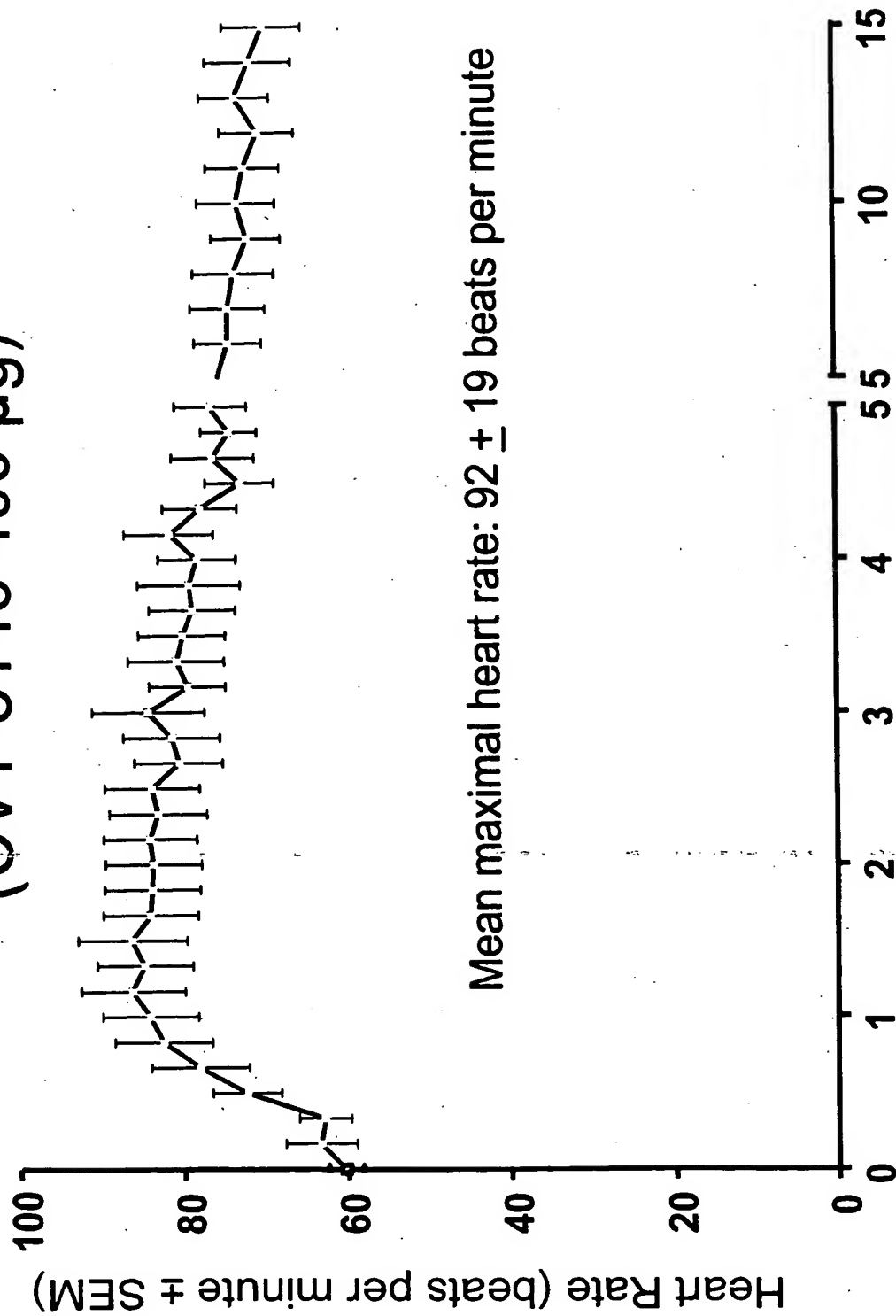


Figure 4

# Time Course of Heart Rate (CVT-3146 400 µg)



# Time Course of Blood Pressure (CVT-3146 400 $\mu$ g)

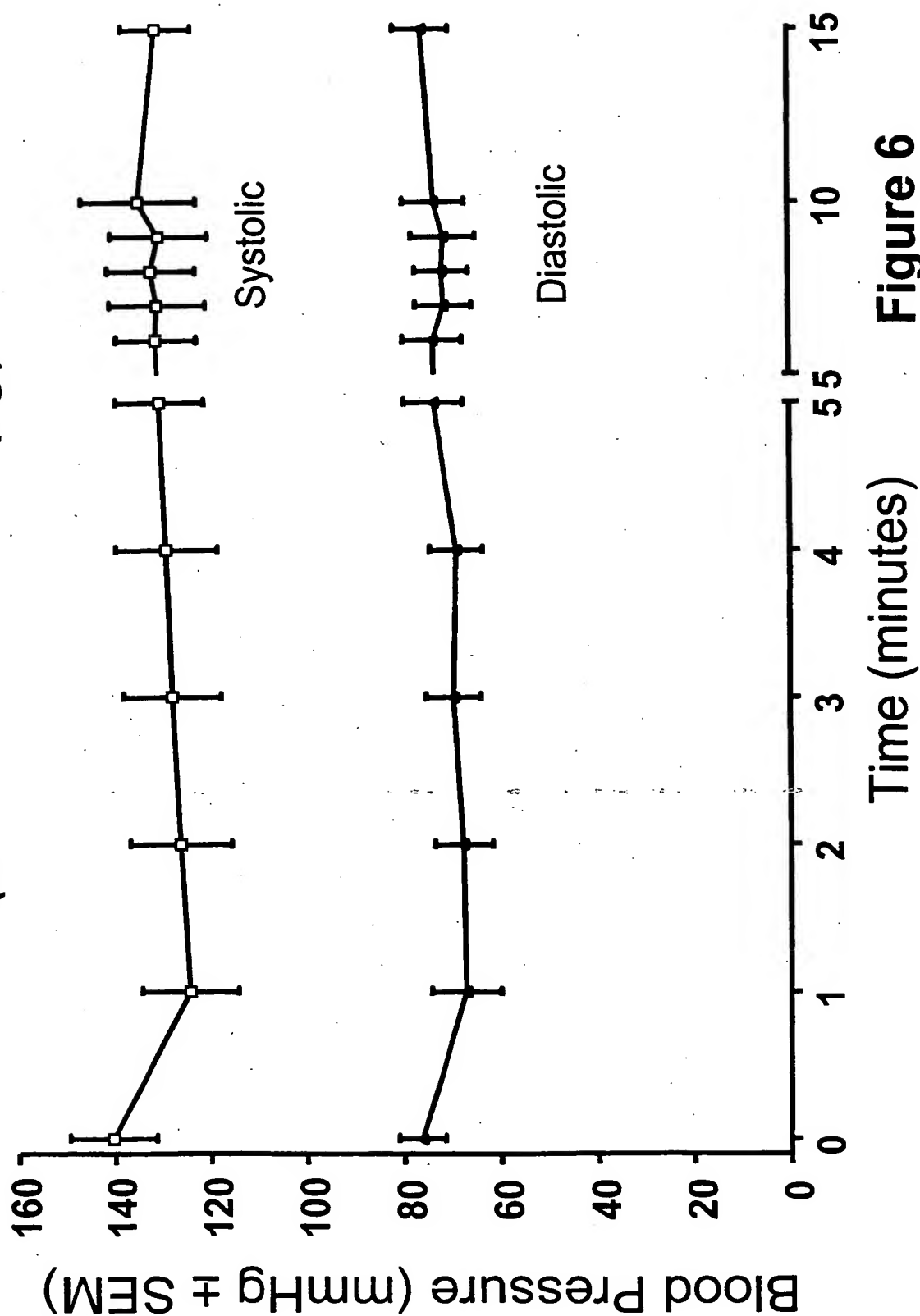


Figure 6

# All Drug-Related Adverse Events Were Mild and Transient

Adverse Event	All Doses		400 µg
	(n = 36)	(n = 9)	
chest discomfort	3	3	
increased heart rate	3	1	
hypotension	2	2	
flushing	2	1	
shortness of breath	2	0	
funny taste in mouth	1	0	
sensation in mouth, sinus, and chest	1	0	
headache	1	0	
tingling in hands	1	1	
heart racing	1	1	
bradycardia	1	1	
lightheadedness	1	1	
cough	1	0	
nausea and vomiting	1	0	

Figure 7

Figure 8

# Mean CVT-3146 Plasma Concentration in Healthy Male Volunteers - Supine Position

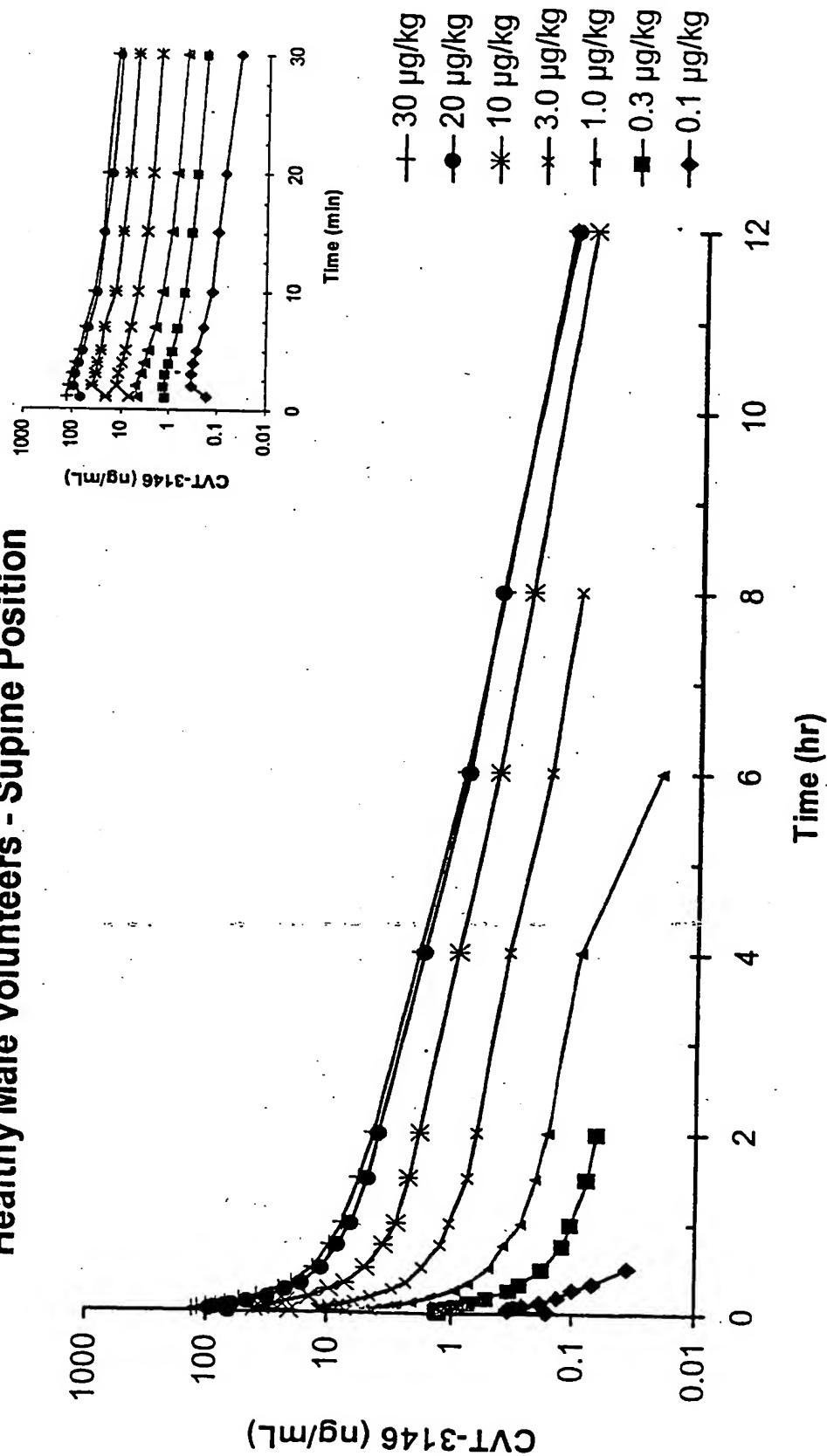


Figure 9

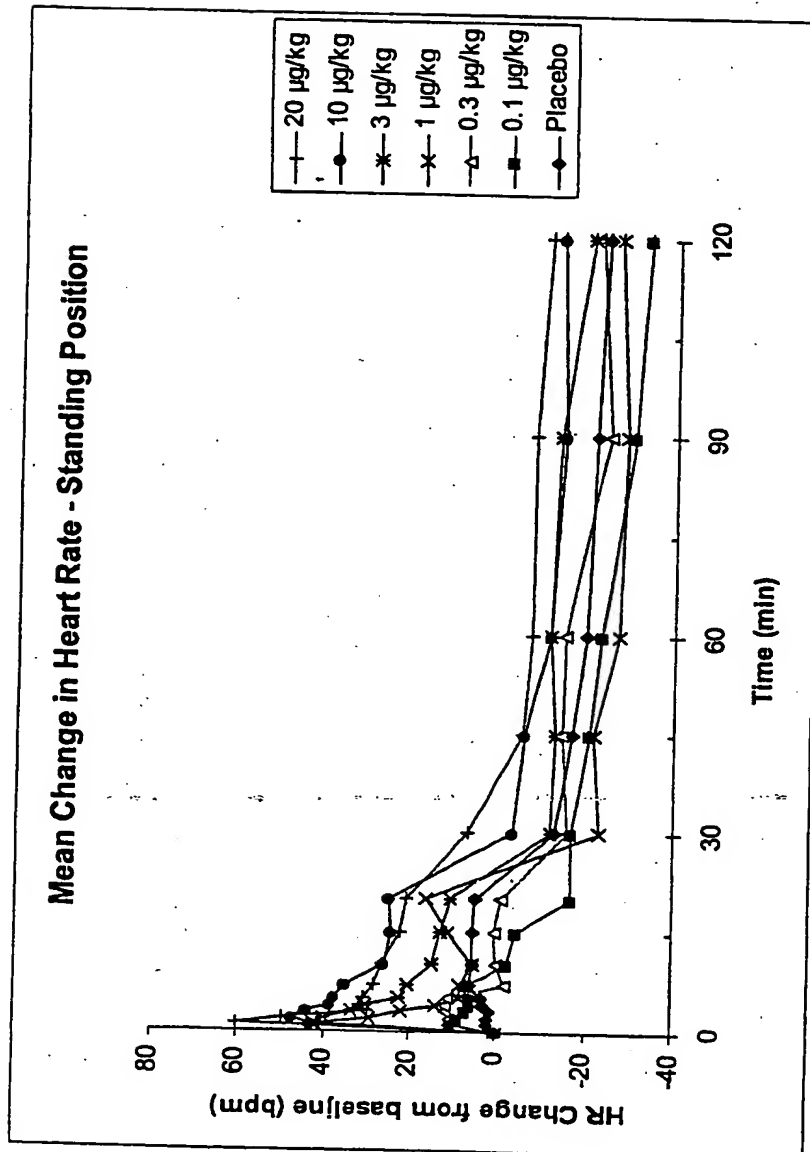


Figure 10

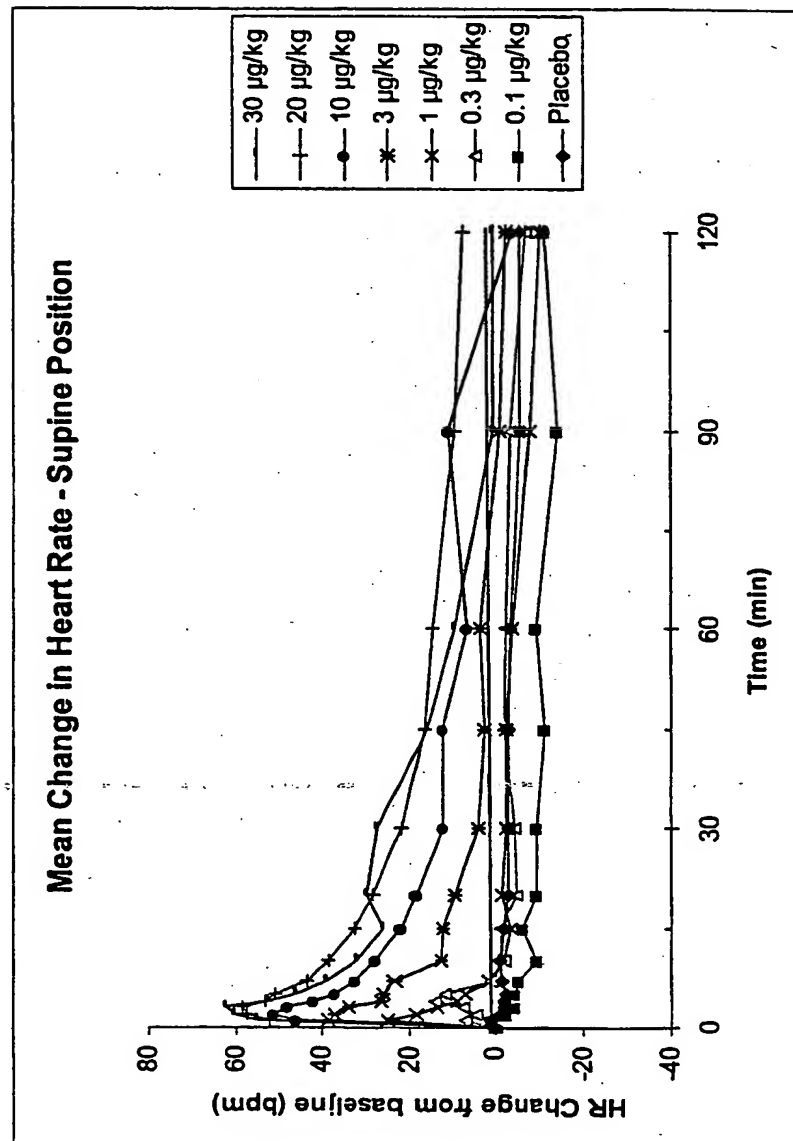


Figure 11

11/17

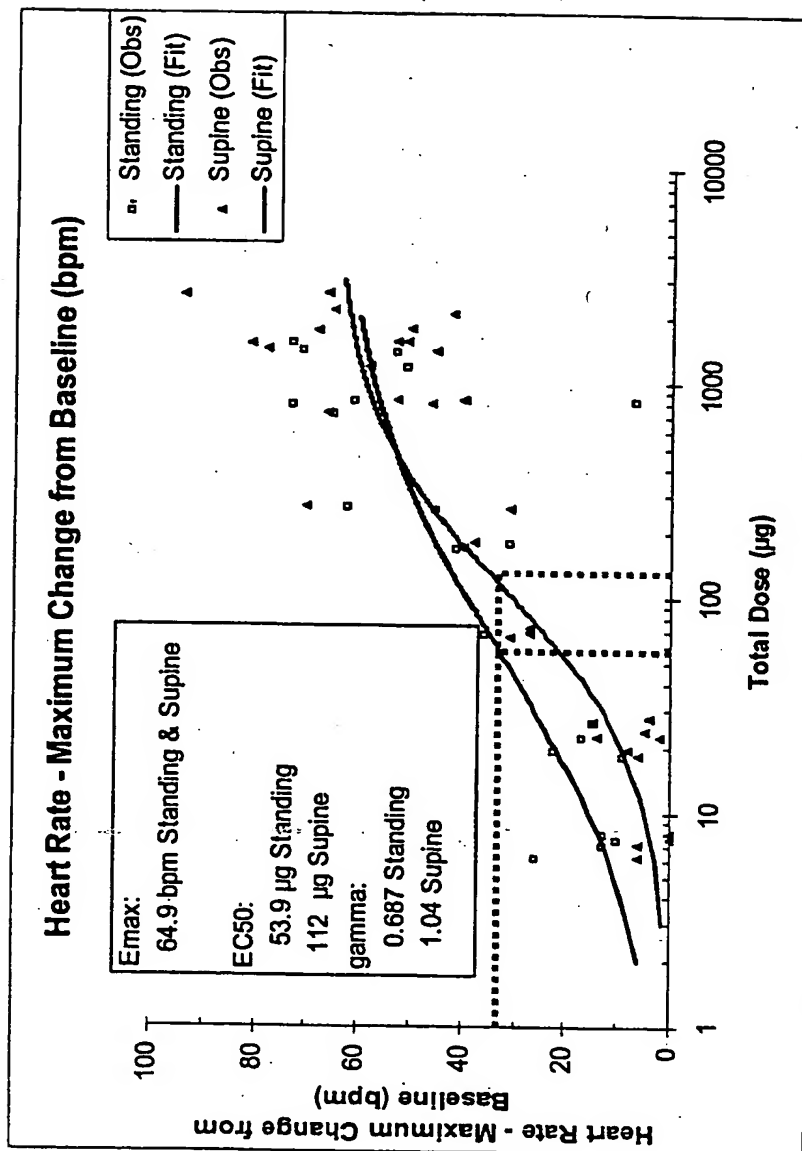


Figure 12

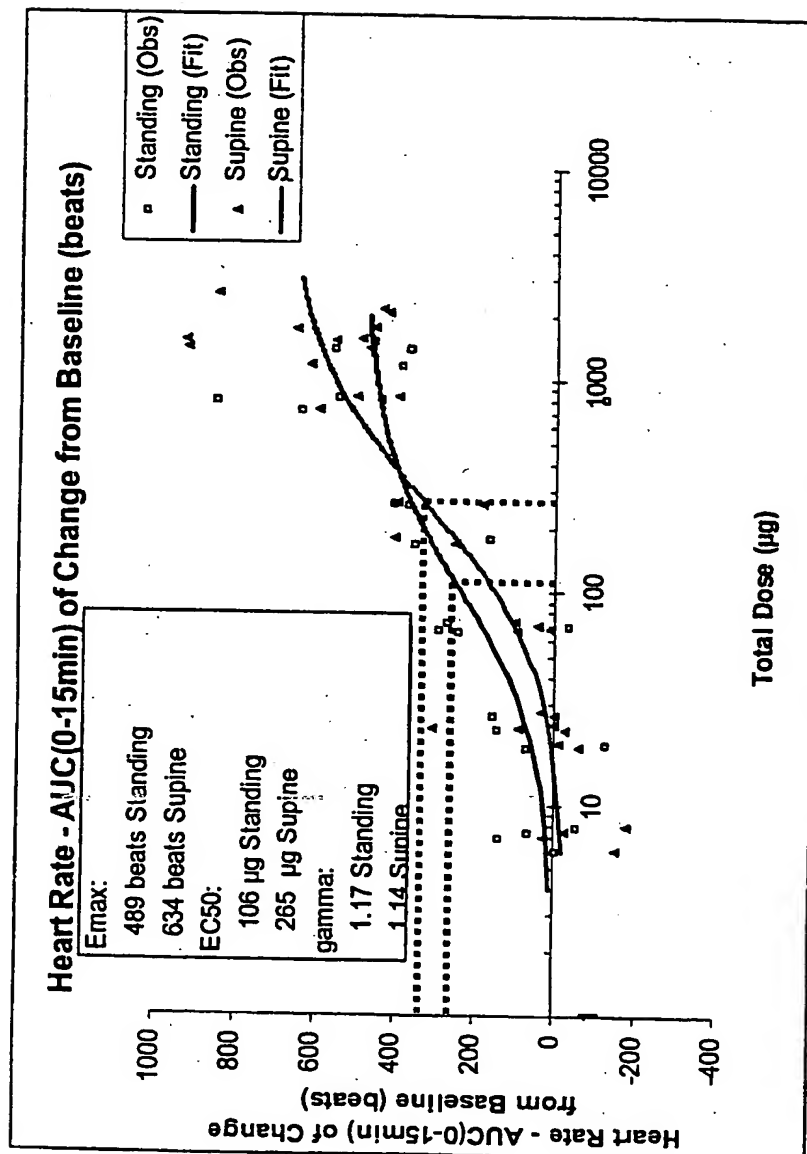


Figure 13

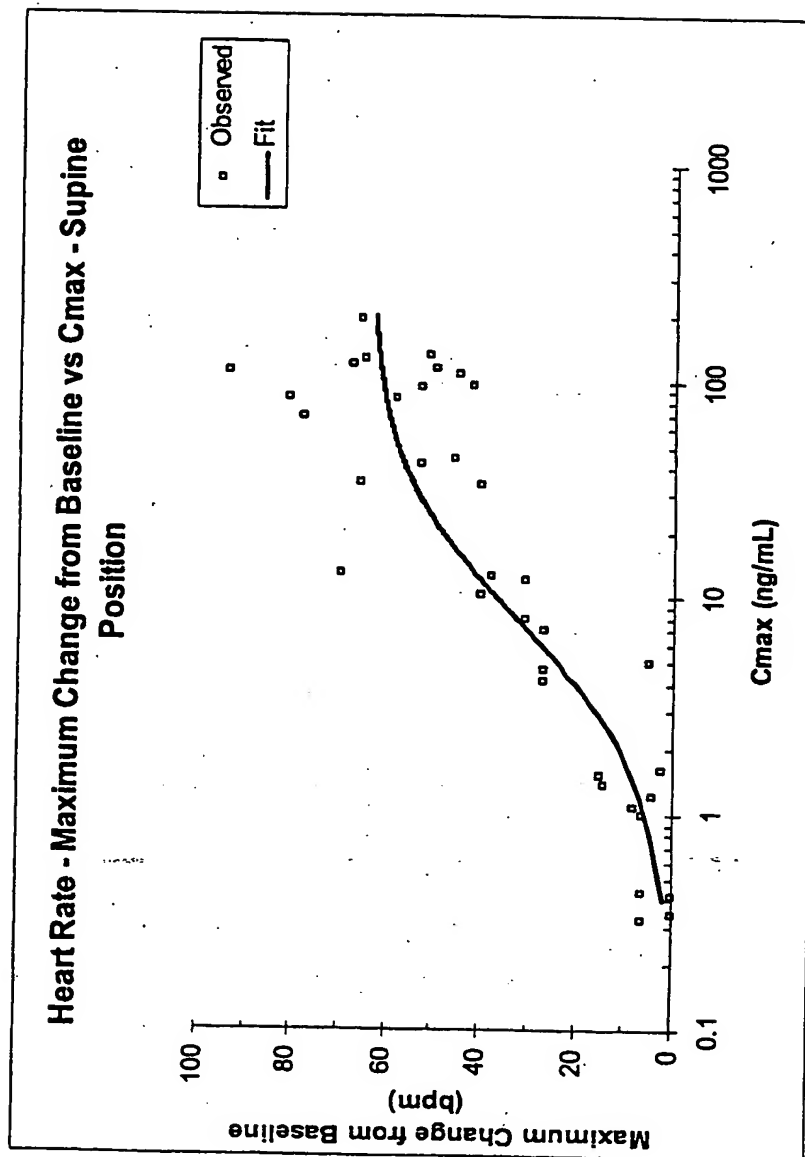


Figure 14

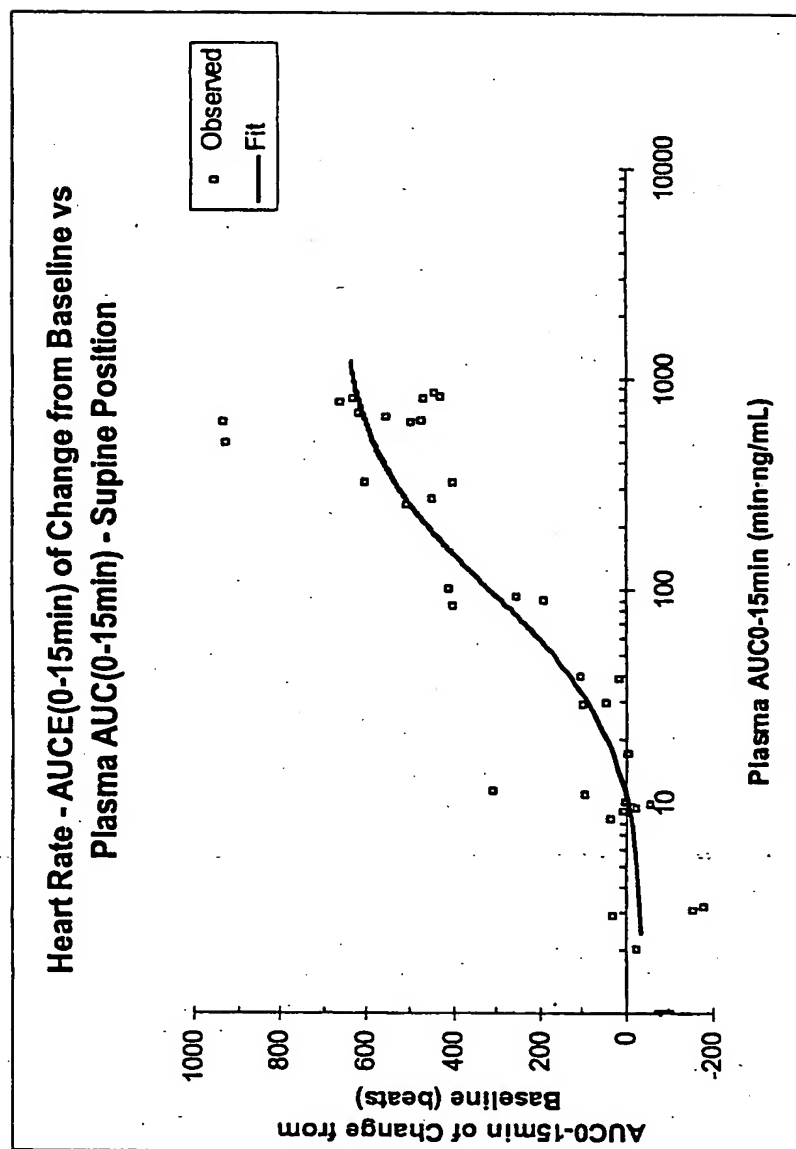
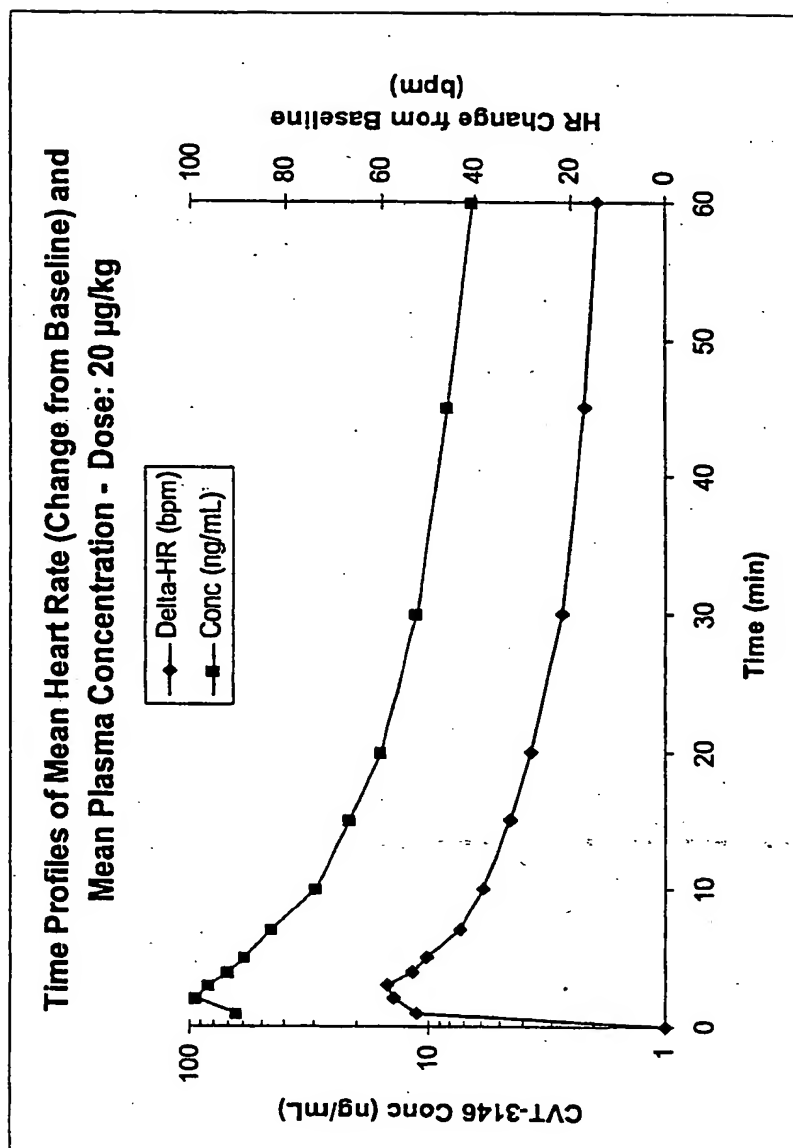
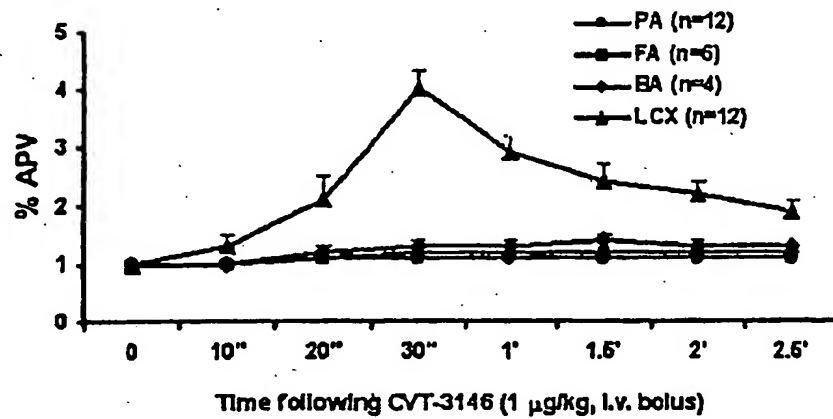
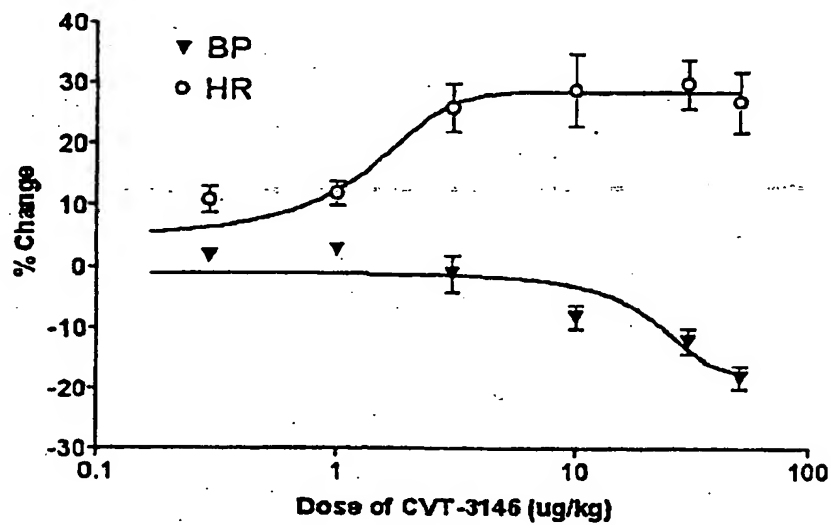


Figure 15



**Figure 16****Figure 17**

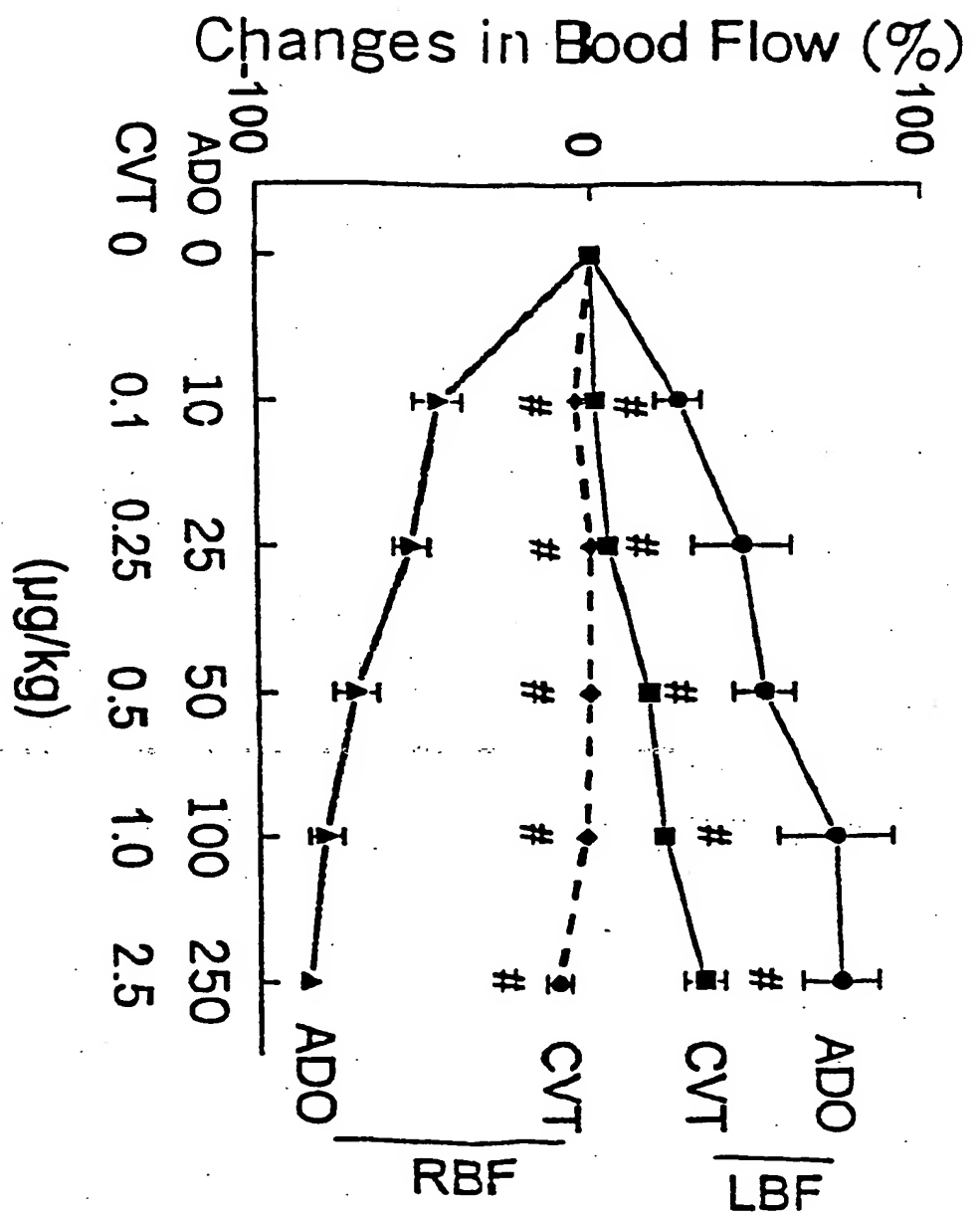


Figure 18